

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

October 29, 1992

Dan Schoenholz
Port of Oakland
Environmental Department
530 Water Street
Oakland, CA 94607

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

Re: Berth 30 Site, Port of Oakland, Oakland, CA 94607

Dear Mr. Schoenholz:

The Port's verbal request to proceed with the excavation of petroleum contaminated soil from the above referenced site is approved subject to the following conditions:

- 1) All applicable Health and Safety requirements are to be observed, especially those found in 29 CFR 1910.
- 2) As much of the contaminated soil is to be removed as is feasible given the space limitations of the offsite Bioremediation Site. In no event however can contamination in excess of 100 mg/kg of Total Petroleum Hydrocarbons (TPH-d or TPH-g) or Aromatic Volatile Organics (BTX&E) remain.
- 3) Several representative soil samples are to be analyzed for the presence of Volatile Organics (EPA method 8240) and Semi-Volatile Organics (EPA method 8270). The number is to be determined during the course of work in consultation with our Division.
- 4) After construction is complete at least three (3) groundwater monitoring wells are to be installed at this site, with at least one (1) of these within 10 feet downgradient of the location of the Diesel underground storage tank. The location of the monitoring wells and their installation may be made a part of a "regional study area" to include other contaminated sites in the immediate area.


Finally the Port must post a "deposit/refund" account for our Division's review and oversight of the above site remediation work. We estimate that this review will take at least 15 hours. Our current hourly rate is \$71.00 per hour. Therefore we are requesting a deposit of \$1,065.00.

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Any unused deposit will be refunded at the completion of our work and we keep a detailed accounting of all our charges. The "deposit/refund" arrangement is authorized by Section 3-140.5 of the Alameda County Code.

Please contact Don Hwang at (510) 271-4320 who will be handling this project upon his return on November 2, 1992.

Sincerely,



Britt Johnson
Hazardous Materials Specialist

cc: Ed Howell - files
Rich Heitt, RWQCB
Don Hwang

TABLE 1

SOIL ANALYTICAL RESULTS¹
 Old Powerline Site
 Port of Oakland
 Oakland, California

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Concentrations in milligrams per kilogram (mg/kg)

Boring No.	Depth (ft)	TPH as diesel	TPH as gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes ²
B-1	1.0	<5	<0.3	<0.005	<0.005	<0.005	<0.01
	5.0	<20	13	0.086	0.094	0.014	0.076
	10.0	<1	<0.3	<0.005	<0.005	<0.005	<0.01
B-2	2.5	<1	25	0.074	0.082	0.081	0.145
	5.0	<1	<0.3	<0.005	<0.005	<0.005	<0.01
	10.0	<1	<0.3	<0.005	<0.005	<0.005	<0.01
B-3	1.5	<100	82	<0.005	0.036	0.17	0.034
	5.0	<1	<0.3	<0.005	<0.005	<0.005	<0.01
	10.0	210	<3.0	<0.005	<0.005	<0.005	<0.01
B-4 and B-4A	1.5	<1	0.8	<0.005	0.01	0.005	0.018
	7.0	<1	3.5	0.016	0.02	<0.005	0.019
B-5	11.0	<1	<0.3	<0.005	<0.005	<0.005	<0.01
	3.5	<40	490	<0.05	2.2	0.68	41
B-6	7.0	<1	0.7	0.057	0.005	<0.005	0.008
	3.0	<1	<0.3	<0.005	<0.005	<0.005	<0.01
	6.5	2	1.8	0.062	0.017	<0.005	0.009
	11.5	<1	<0.3	<0.005	<0.005	<0.005	<0.01



TABLE 1

SOIL ANALYTICAL RESULTS

Concentrations in milligrams per kilogram (mg/kg)

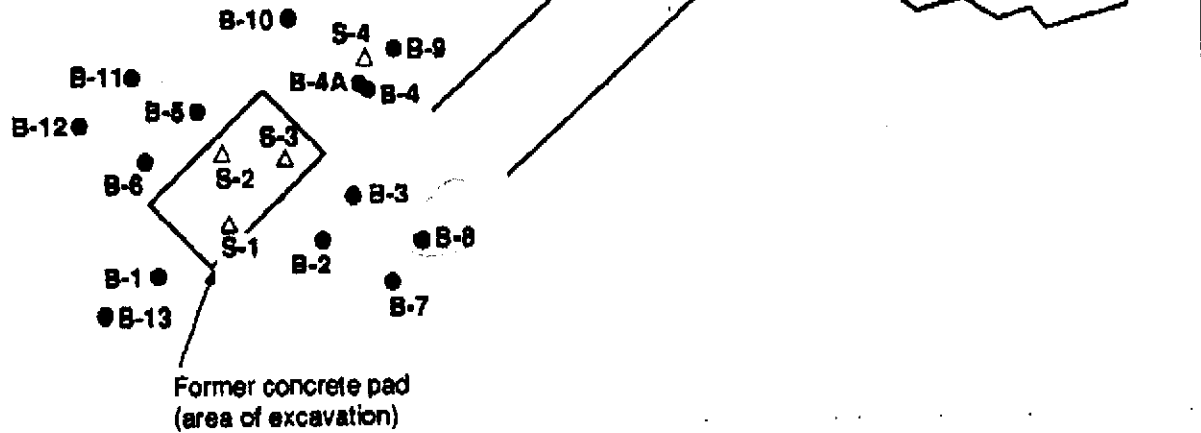
Boring No.	Depth (ft)	TPH as diesel	TPH as gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes ²
B-7	5.5	<1	<0.3	<0.005	<0.005	<0.005	<0.010
B-8	1.0	<200	200	<0.005	0.044	0.015	0.051
	5.5	<1	0.4	<0.005	<0.005	<0.005	0.005
	10.0	<1	0.4	<0.005	<0.005	<0.005	<0.005
B-9	6.5	<1	<0.3	<0.005	<0.005	<0.005	<0.01
B-10	1.0	<1	<0.3	<0.005	<0.005	<0.005	<0.01
	5.5	<1	1	0.088	0.01	0.029	0.101
B-11	5.5	<1	0.6	0.075	<0.005	<0.005	<0.01
B-12	1.0	<60	18	<0.1	0.1	<0.1	0.4
	5.5	<400	230	0.5	8.3	2.7	20.4
	10.0	<50	120	0.38	3.8	1.9	11.8
B-13	2.5	<20	1.7	0.010	0.020	<0.005	0.021
	7.0	<5	<0.3	<0.005	<0.005	<0.005	<0.01

¹ Soil samples collected by Geomatrix Consultants, Inc. on 21 and 22 October 1992 and analyzed by Clayton Environmental Consultants of Pleasanton, California for total petroleum hydrocarbons (TPH) as diesel by EPA Method 8015, TPH as gasoline by EPA Method 8015, and benzene, ethylbenzene, and xylenes by EPA Method 8020.

² Total xylenes reported as the sum of p,m-xylene and o-xylene; detection limits also reported as the sum of p,m-xylene and o-xylene detection limits.

DRAFT

7TH STREET

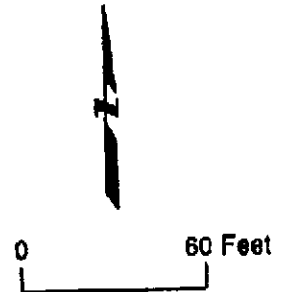


EXPLANATION

- B-1 ● Approximate location of soil boring, 10/92
- S-1 ▲ Approximate location of shallow soil sample, 9/92

Note

Based on map generated by Ronald Greenwell & Associates, Inc. of Antloch, California.



SHALLOW SOIL SAMPLE AND SOIL BORING LOCATION MAP
Old Powerline Site
Port of Oakland
Oakland, California

Figure
2
Project No.
2026.10